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Docket No. IFF-53-1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : DEWIS, et al

Serial No. : 10/783,652

Art Unit: 1614

Filed : February 20, 2004

Examiner: TO BE DETERMINED

For : ALKYLDIENAMIDES EXHIBITING TASTE AND SENSORY  
EFFECT IN FLAVOR COMPOSITIONS

I hereby certify that this correspondence is being deposited with the  
United States Postal Service as first class mail in an envelope addressed  
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Alexandria, VA 22313-1450 on

**December 3, 2004**

(Date of Deposit)

**Alexander Migirov**

(Name of applicant, assignee, or Registered Representative)

*Alexander Migirov*

(Signature)

**December 3, 2004**

(Date of Signature)

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

This copy is supplemental to the Information Disclosure Statement mailed on July 6, 2004.

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

Applicant(s) reserve(s) the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this

information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist.

☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified national application (other than a continued prosecution application under §1.53(d)), within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of a request for continued examination under §1.114, no additional fee is required.

☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐ the first or ☐ second After Final Submission, therefore:

☐ Statement in Accordance with §1.97(e)  
(attached); or

☐ Please charge Deposit Account No.  
\_\_\_\_\_/\_\_\_\_\_/ the fee of \$180.00 as set forth  
in §1.17(p).

☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or

an action that otherwise closes prosecution and that it is accompanied by one of:

- ☐ Statement in Accordance with §1.97(e) (attached); or
- ☐ Please charge Deposit Account No. \_\_\_\_\_/ / the fee of \$180.00 as set forth in §1.17(p).

☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee. Applicant(s) hereby petition(s) for consideration of this Information Disclosure Statement. Included are: Statement in Accordance with §1.97(e) as set forth below and the fee of \$180.00 as set forth in §1.17(p).

☒ Copies of each of the references, other than the U.S. patent publications, listed on the attached Form PTO-1449 are enclosed herewith.

☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:

- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

☒ English language Abstract is provided for the references which are not in the English language.

☐ The relevance of those listed references which are not in the English language is as follows:


☐ Attached are copies of search report(s) from corresponding patent application(s), which are listed on the attached Submission Under MPEP 609 D.

Copies of the references listed on the search report(s) are included except for those previously cited in an IDS mailed .

☐ Attached are the following non-published pending patent applications which may be deemed relevant, which are listed on the attached Submission Under MPEP 609 D.

Please charge any deficiency or credit any overpayment to Deposit Account No. 12-1295. This form is submitted in triplicate.

Respectfully submitted,

  
Alexander Migirov  
Patent Agent  
Reg. No. 53,326

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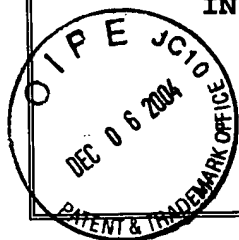
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DATED: December 3, 2004

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**


Docket No.

IFF-53-1

Serial No.

10/783,562

Applicant

DEWIS, MARK L.

Filing Date

February 20, 2004

Group Art Unit

1614

## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	3,111,127	11/19/63	Jarboe			
	4,150,052	4/17/79	Watson, et al			
	4,226,988	10/7/80	Watson, et al			
	5,009,893	4/23/91	Cherukuri, et al			
	5,725,865	3/10/98	Mane, et al			
	5,843,466	12/1/98	Mane, et al			
	6,110,520	8/29/00	He, et al			
	6,251,463	6/26/01	Rossy, et al			
	6,333,180	12/25/01	Farbood, et al			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one)	
						Yes	No
	WO 93/23005	11/25/93	PCT				
	WO 98/07404	2/26/98	PCT				
	WO 00/45815	8/10/00	PCT				
	WO 99/07235	2/18/99	PCT				
	WO 02/051392	4/4/02	PCT				

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

	GRAS Flavoring Substances 20, Food Technology, Vol. 55, No. 12, Dec. 2001 at page 53
	Rule, et al, Optical Activity and the Polarity of Substituent Groups Part VIII. Growing-chain Effects and the Ortho-Effect in Benzoic Esters, J.Chem.Soc. 1928 (Part I), pp. 1347-1361
	SciFinder (November 20, 2002; Trademark of Chemical Abstracts Service), to wit: malonamic acid, p-menth-3-yl ester, $\pm$ -(8Cl) having CAS Registry No. 6129-88-0
	Jaloner, et al, A Molecular Approach to Flavor Synthesis. I. Menthol Esters of Varying Size and Polarity, Journal of Polymer Science: Polymer Chemistry Edition, Vol. 18, 2933-2940 (1980)

Examiner:

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	Docket No.	Serial No.
	IFF-53-1	10/783,562
	Applicant DEWIS, MARK L.	
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	February 20, 2004	1614

## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	6,365,215	4/2/02	Grainger, et al			
	6,451,844	9/17/02	Watkins, et al			
	6,391,886	5/21/02	Lee			
	6,455,080	9/24/02	Wolf, et al			
	6,572,914	6.3.03	Borlinghaus			
	6,579,513	6/17/03	Tashjian, et al			
	6,579,514	6/17/03	Hall, et al			
	6,579,516	6/17/03	Mansouri			
	6,579,535	6/17/03	Valentine, et al			

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

	Rameswak, et al, Bioactive N-isobutylamides from flower buds of Spilanthes acmella, Phytochemistry 51, (1999), 729-732
	Snider, et al, Synthesis of the N-(1E)-Alkenyl)-2Z,4Z)-heptadienamide Side Chain of Salicylihalamide A and Apicularens A and B, Organic Letters (2000), Vol. 2, No. 3, pp. 407-408
	Furber, et al, Stereospecific Diene Synthesis using Acetylene Carbocupration; Preparation of Navel Orangeworm Pheromone and Leukotriene Analogues, J.Chem.Soc.Perkin Trans.I, 1986, pp. 1809-1815

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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub. Class	File Date
	6,579,543	6/17/03	McClung			
	2001/0032645A1	10/25/01	Cronk, et al			
	2002/0012640A1	1/31/02	Mohammadi, et al			
	2002/0142015A1	10/3/02	Kumamoto, et al			
	2002/0173436A1	11/21/02	Sonnenberg, et al			
	2003/0082124A1	5/1/03	Hammer			
	2003/0072842a1	4/17/03	Johnson, et al			
	2003/0082129A1	5/1/03	Buckingham, et al			
	2003/0082271A1	5/1/03	Wolf, et al			

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## OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	2003/0113357A1	6/19/03	Bell, et al			
	2003/0095936A1	5/22/03	Light			
	U.S. 10/411,672	4/11/03	Dewis, et al			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


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## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	10/643,542	8/19/03	Flammer, et al			
	2002/0122778	9/5/02	Wolfson			
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	2003/0068330	4/10/03	Goto, et al			
	6,096,324	8/1/00	Mansouri			
	6,328,982	12/11/01	Shiroyama, et al			
	6,544,499	4/8/03	Glenn, Jr., et al			
	6,576,224	6/10/03	Osbakken, et al			
	6,576,225	6/10/03	Kilcher, et al			

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OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


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	6,576,228	6/10/03	Crookham, et al			
	2001/0043912	11/22/01	Michael			
	2002/0039591	4/4/02	Dahle			
	2003/0035784	2/20/03	Inoue, et al			
	2003/0095938	5/22/03	Casero			
	U.S. Serial No. 611,025	7/1/03	Dewis, et al			

## FOREIGN PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	

## OTHER REFERENCES (include author, title, date, pertinent pages, etc.)


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Form PTO-1449 <b>FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	Docket No. IFF-53-1	Serial No. 10/783,562
	Applicant DEWIS, MARK L.	
	Filing Date February 20, 2004	Group Art Unit 1614

## U.S. PATENT DOCUMENTS

Exam'r Init.	Document No.	Date	Name	Class	Sub Class	File Date
	2003/0091721	5/15/03	Ohta et al.			
	6,541,050	4/1/03	Bonoroden et al.			
	5,288,510	2/22/94	Gregory et al.			

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Exam'r Init.	Document No.	Date	Country	Class	Sub Class	Translate (select one) Yes No	
	GB 1 438 205	3/6/76	Great Britain			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	JP 04 803546	12/14/70	Japan			<input type="checkbox"/>	<input checked="" type="checkbox"/>
	WO 2004/043906	5/27/04	WIPO			<input type="checkbox"/>	<input checked="" type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

OTHER REFERENCES (include author, title, date, pertinent pages, etc.)

	<p>"Pungent Alkamides from Spilantes Acmeella L. Var. Oleracea Clarke," Nakatani N et al. Bioscience Biotechnology Biochemistry, Japan Soc. For Bioscience Biotechnology and Agrochem., vol. 56, no. 5, 1992, pages 759-762</p> <p>Databse Beilstein, Beilstein Institute for Organic Chemistry, J. Chem. Soc., 1952, page 4338</p> <p>"Amides of vegetable origin. VII. Synthesis of N-isobutyldodeca-trans-2,trans-4,trans-8-ans trans-2,trans-4,cis-8-trienamide and the relation to Sanshool I," Crombie L. et al., Journal of Chemical Society, Abstracts, pages 4244-4249, 1955</p>
	<p>"Isobutylamide numbing agents of toothache grass, Ctenium aromaticum," Rubi Gamboa-Leon et al., Biochemical Systematics and Ecology, 28(10), 2000, pages 1019-1021</p> <p>"Structure and synthesis of a new hypotensive vasodilator isolated from Spreptomyces aerofaciens," Tanaka, Hirokazu et al., Tetrahedron Letters 22(35), 1981, pages 3421-3422</p> <p>"The Synthesis of Long-Chain Aliphatic Acids from Acetylenic Compounds. Part V. The Synthesis of trans-cis-Herculin, Part IV," 1950, pages 2693-2695</p>

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